

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080217\
 Data File : BE093622.D
 Acq On : 2 Aug 2017 11:49
 Operator : SJ/JU
 Sample : I4351-30DL 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 0548DL

Manual Integrations
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Sohil
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Quant Time: Aug 02 16:03:53 2017
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE080117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 02 10:58:31 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.93	152	2703	0.40	ng	0.00
7) Naphthalene-d8	10.71	136	12619	0.40	ng	0.00
13) Acenaphthene-d10	14.53	164	7315	0.40	ng	0.00
19) Phenanthrene-d10	17.24	188	17708	0.40	ng	0.00
27) Chrysene-d12	21.40	240	20775	0.40	ng	-0.01
34) Perylene-d12	23.91	264	19150	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.51	112	816	0.10	ng	0.00
5) Phenol-d6	7.10	99	1133	0.09	ng	0.00
8) Nitrobenzene-d5	9.08	82	865	0.09	ng	0.02
11) 2-Methylnaphthalene-d10	12.29	152	1511	0.08	ng	0.00
14) 2,4,6-Tribromophenol	16.03	330	102	0.15	ng	0.03
15) 2-Fluorobiphenyl	13.16	172	2375	0.08	ng	0.00
25) Fluoranthene-d10	19.27	212	16472	0.08	ng	0.00
29) Terphenyl-d14	19.86	244	3124	0.08	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.76	128	65947	0.451	ng	99
16) Acenaphthylene	14.24	152	72765	2.082	ng	# 87
17) Acenaphthene	14.58	154	36381	1.475	ng	99
18) Fluorene	15.56	166	37718	1.144	ng	# 88
23) Phenanthrene	17.27	178	16418m	0.422	ng	
24) Anthracene	17.37	178	28169m	0.529	ng	
26) Fluoranthene	19.30	202	32776	0.529	ng	99
28) Pyrene	19.66	202	31002	0.462	ng	# 97
30) Benzo(a)anthracene	21.39	228	32305	0.529	ng	95
31) Chrysene	21.45	228	17949	0.264	ng	96
33) Indeno(1,2,3-cd)pyrene	26.55	276	14897	0.242	ng	96
35) Benzo(b)fluoranthene	23.14	252	55238m	0.808	ng	
36) Benzo(k)fluoranthene	23.19	252	7993	0.114	ng	99
37) Benzo(a)pyrene	23.80	252	51646	0.834	ng	# 93
38) Dibenzo(a,h)anthracene	26.57	278	17088	0.286	ng	# 89
39) Benzo(g,h,i)perylene	27.36	276	26653	0.440	ng	# 92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

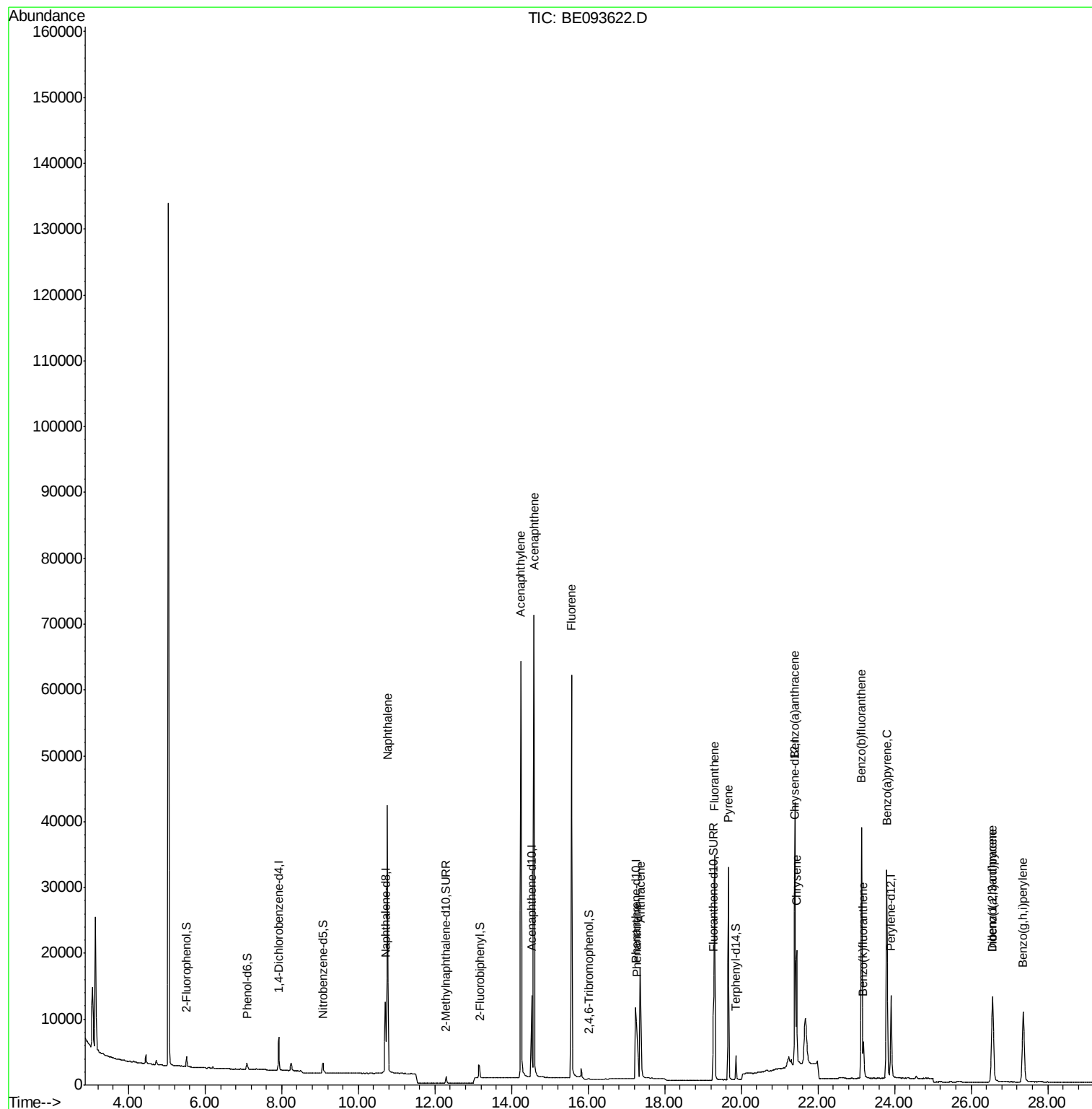
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080217\
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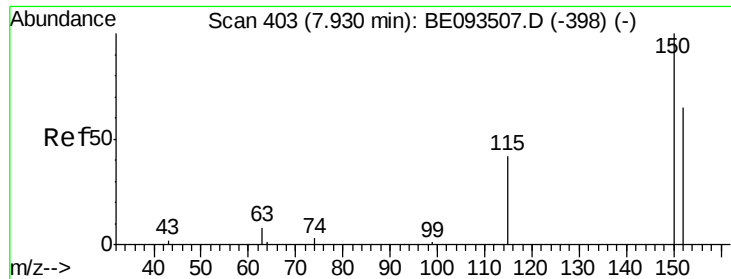
Instrument :
BNA_E
ClientSampleId :
0548DL

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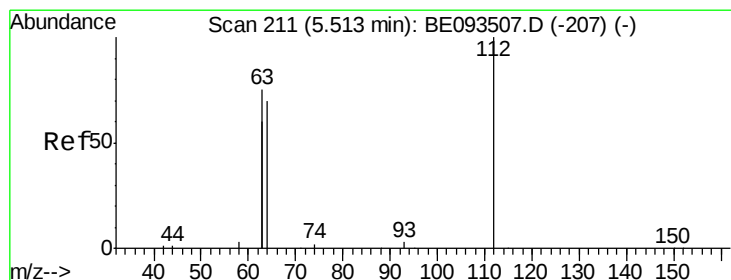
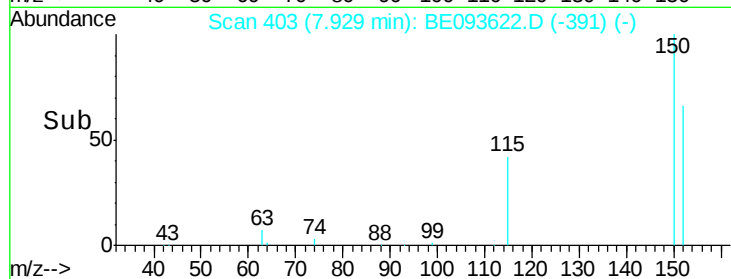
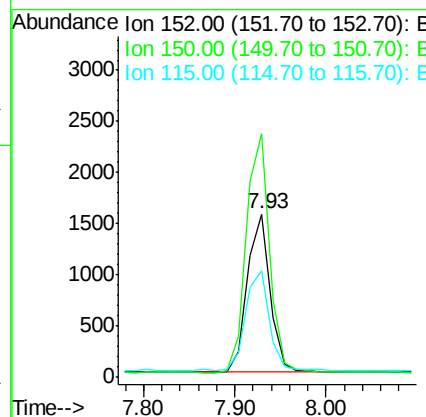
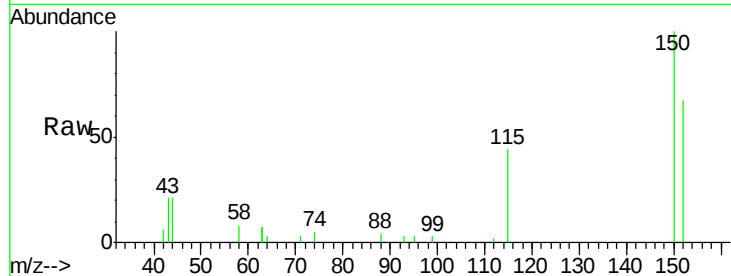
#1
 1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.93 min Scan# 403
 Delta R.T. -0.00 min
 Lab File: BE093622.D
 Acq: 2 Aug 2017 11:49

Instrument :
 BNA_E
 ClientSampleId :
 0548DL

Tgt Ion	Ratio	Lower	Upper
152	100		
150	149.0	125.1	187.7
115	65.4	55.7	83.5

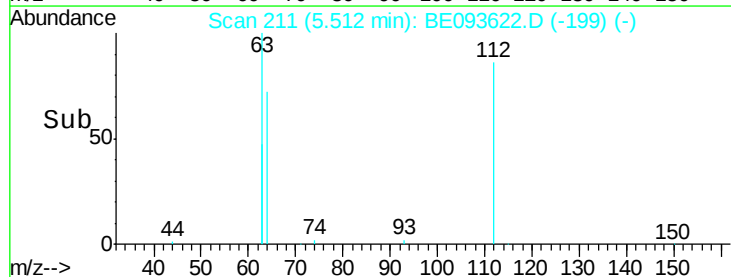
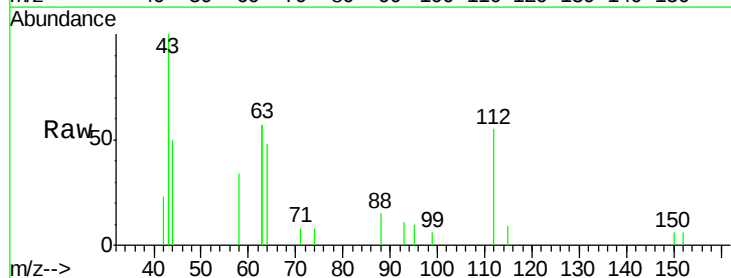
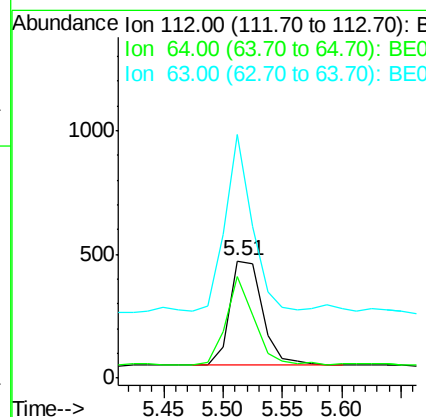
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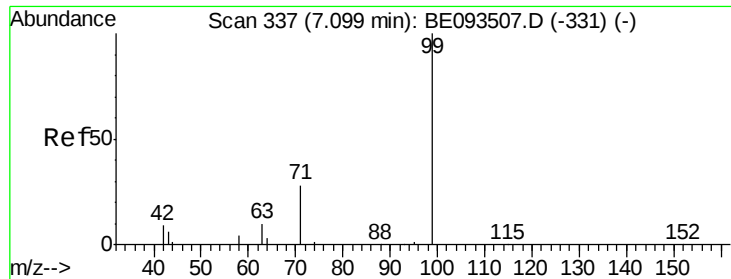
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#4
 2-Fluorophenol
 Concen: 0.101 ng
 RT: 5.51 min Scan# 211
 Delta R.T. -0.00 min
 Lab File: BE093622.D
 Acq: 2 Aug 2017 11:49

Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.3	56.4	84.6
63	139.7	29.3	43.9#





#5

Phenol-d6

Concen: 0.093 ng

RT: 7.10 min Scan# 337

Delta R.T. -0.00 min

Lab File: BE093622.D

Acq: 2 Aug 2017 11:49

Instrument :

BNA_E

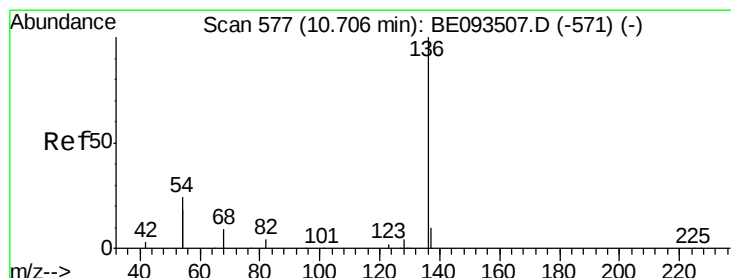
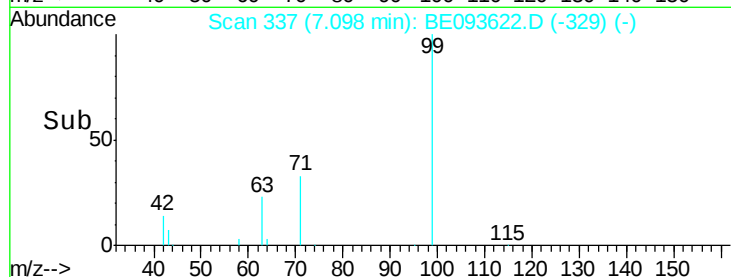
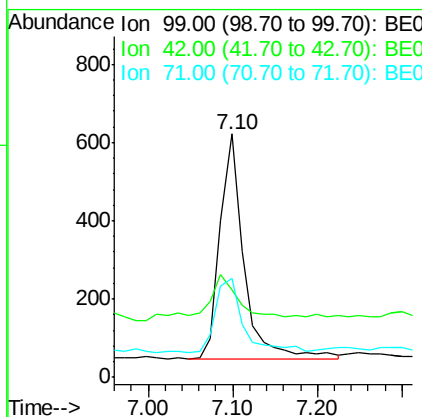
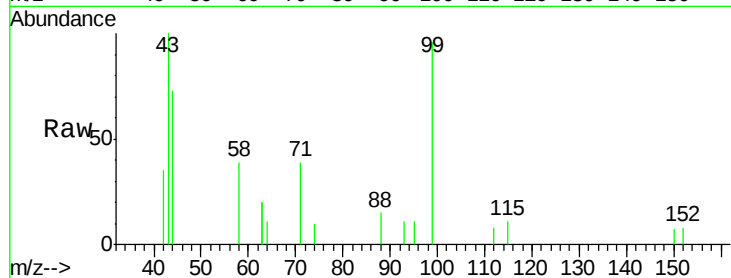
ClientSampleId :

0548DL

Tgt Ion:	99	Resp:	1133
Ion Ratio	Lower	Upper	
99	100		
42	18.7	0.0	0.0#
71	37.0	0.0	0.0#

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#7

Naphthalene-d8

Concen: 0.400 ng

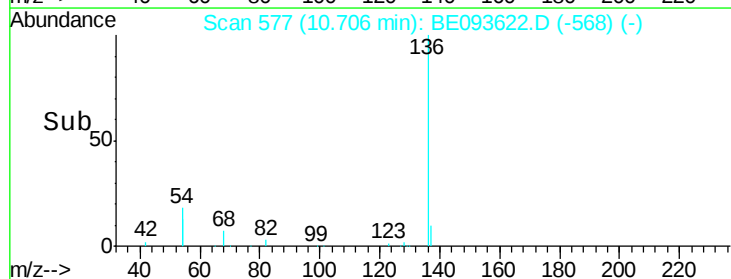
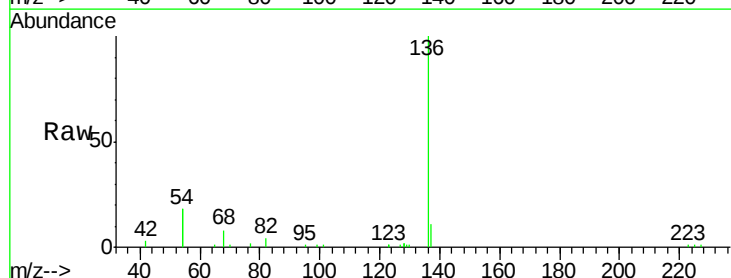
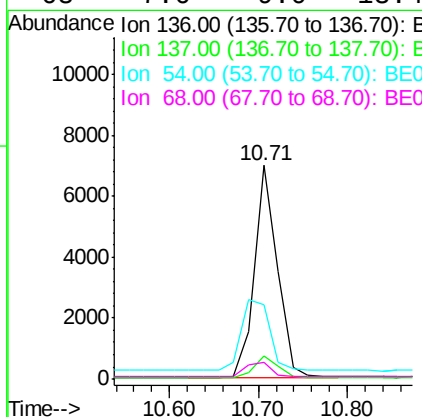
RT: 10.71 min Scan# 577

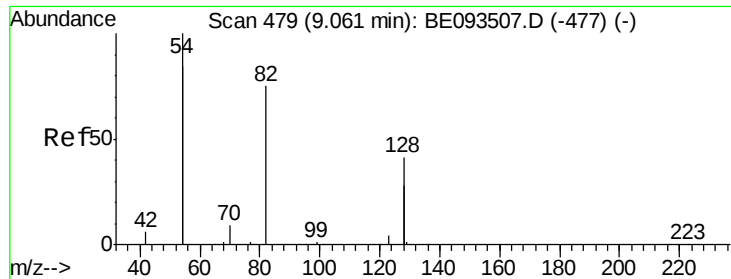
Delta R.T. -0.00 min

Lab File: BE093622.D

Acq: 2 Aug 2017 11:49

Tgt Ion:	136	Resp:	12619
Ion Ratio	Lower	Upper	
136	100		
137	11.0	9.8	14.8
54	35.0	10.3	15.5#
68	7.6	9.0	13.4#





#8

Nitrobenzene-d5

Concen: 0.090 ng

RT: 9.08 min Scan# 480

Delta R.T. 0.02 min

Lab File: BE093622.D

Acq: 2 Aug 2017 11:49

Instrument :

BNA_E

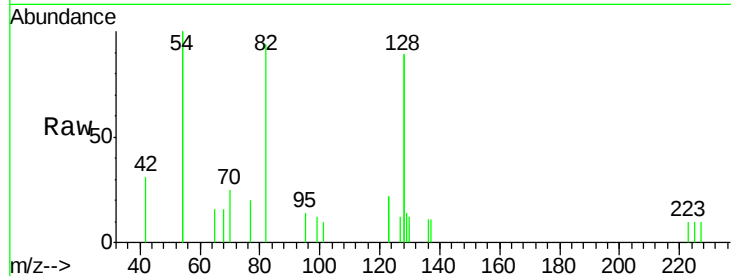
ClientSampled :

0548DL

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	189.7	17.0	25.4#	
54	213.1	53.8	80.6#	

Manual Integrations
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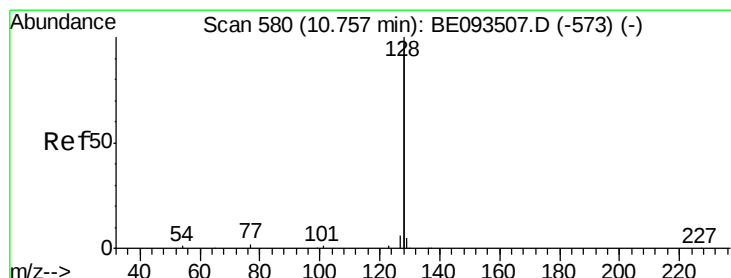
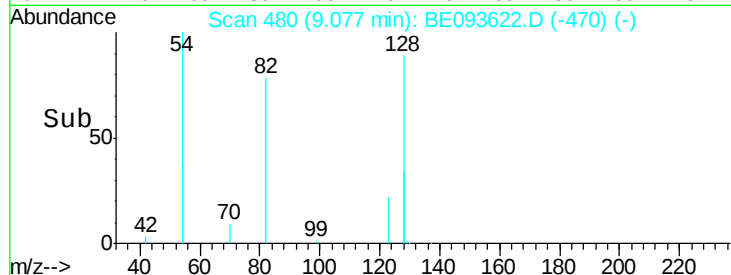
Abundance Ion 82.00 (81.70 to 82.70): BE093507.D (-477) (-)

Ion 128.00 (127.70 to 128.70): BE093507.D (-477) (-)

Ion 54.00 (53.70 to 54.70): BE093507.D (-477) (-)

Time-->

9.00 9.10



#9

Naphthalene

Concen: 0.451 ng

RT: 10.76 min Scan# 580

Delta R.T. -0.00 min

Lab File: BE093622.D

Acq: 2 Aug 2017 11:49

Tgt Ion	Ratio	Resp	Lower	Upper
128	100			
129	2.9	2.4	3.6	
127	3.3	2.4	3.6	

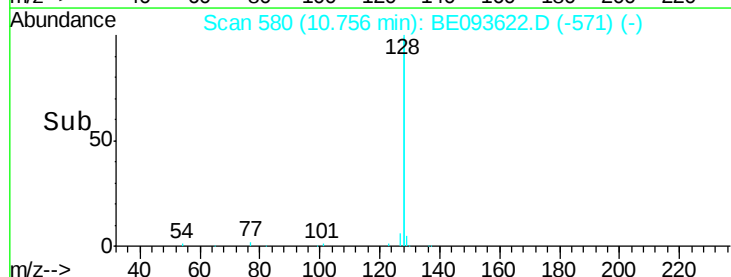
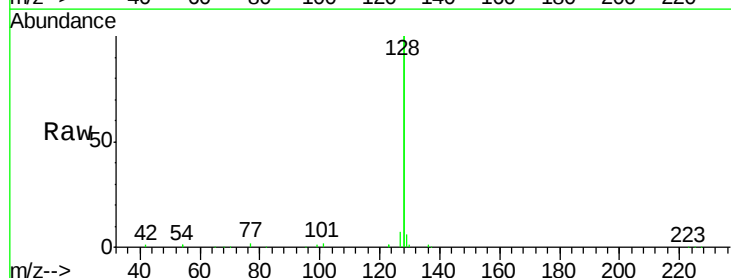
Abundance Ion 128.00 (127.70 to 128.70): BE093507.D (-573) (-)

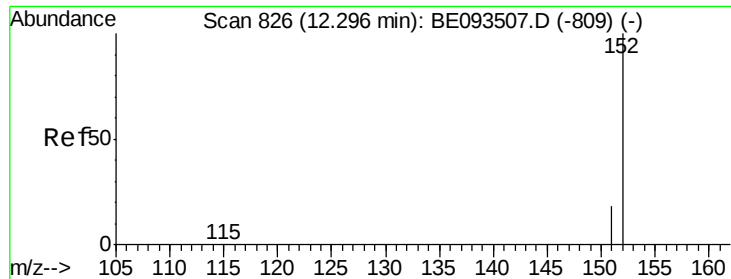
Ion 129.00 (128.70 to 129.70): BE093507.D (-573) (-)

Ion 127.00 (126.70 to 127.70): BE093507.D (-573) (-)

Time-->

10.60 10.70 10.80 10.90





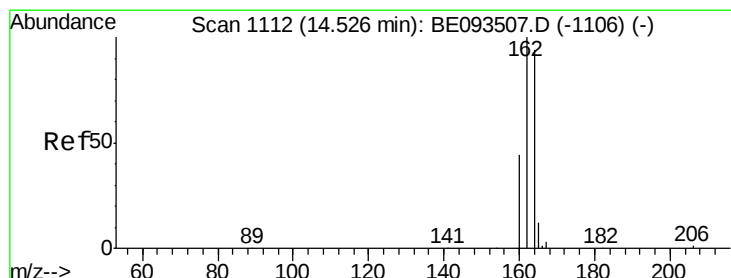
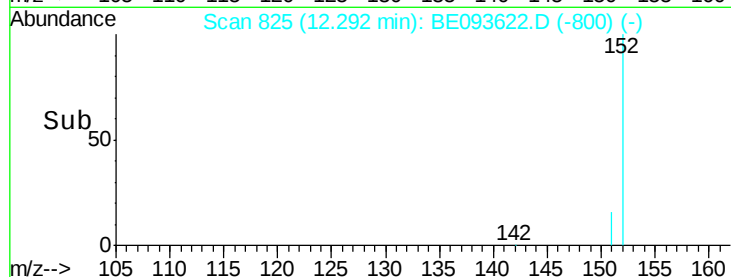
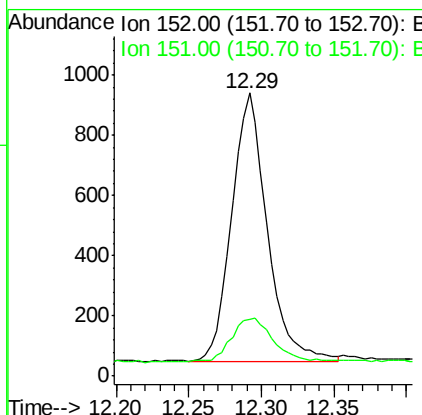
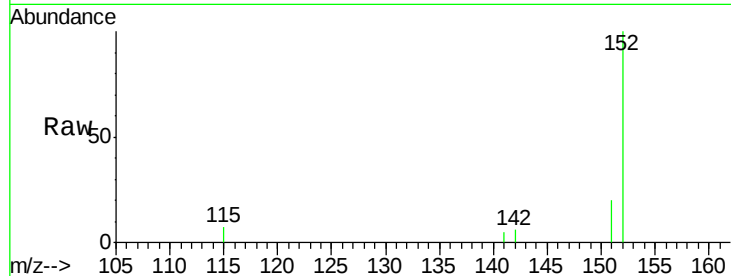
#11
2-Methylnaphthalene-d10
Concen: 0.076 ng
RT: 12.29 min Scan# 825
Delta R.T. -0.00 min
Lab File: BE093622.D
Acq: 2 Aug 2017 11:49

Instrument :
BNA_E
ClientSampled :
0548DL

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.1	22.7

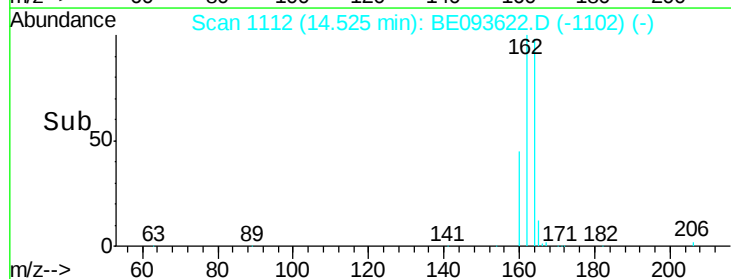
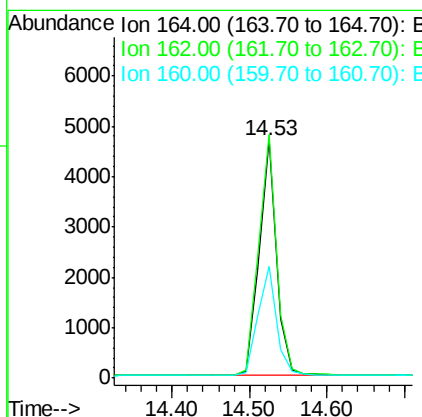
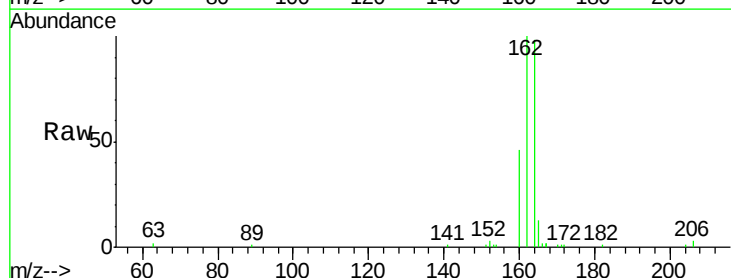
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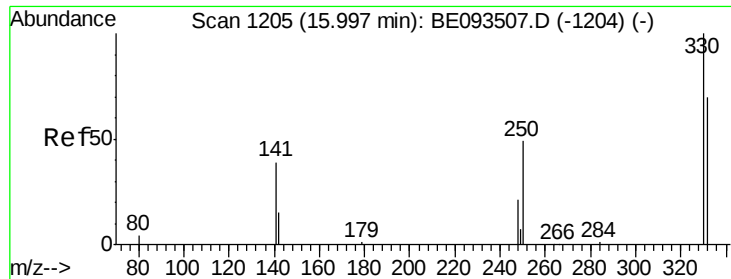
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#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.53 min Scan# 1112
Delta R.T. -0.00 min
Lab File: BE093622.D
Acq: 2 Aug 2017 11:49

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.1	84.6	127.0
160	46.7	41.8	62.6





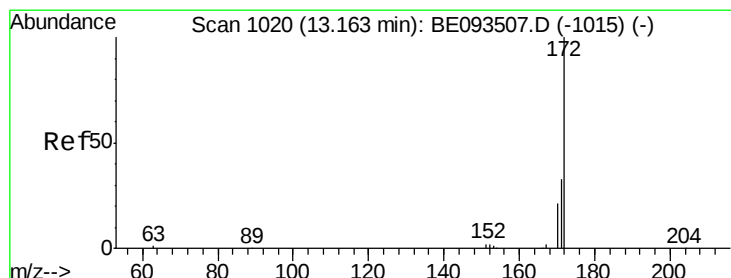
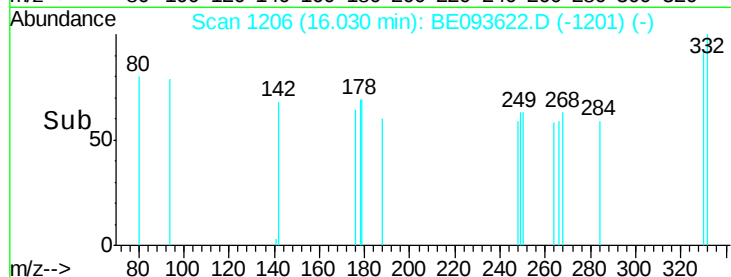
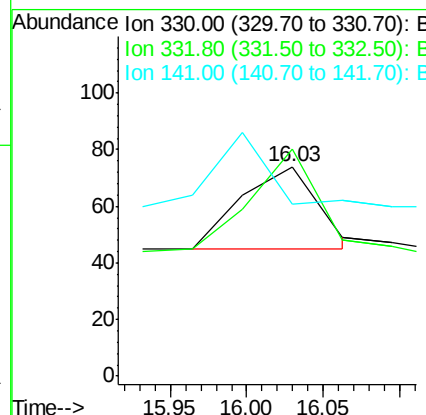
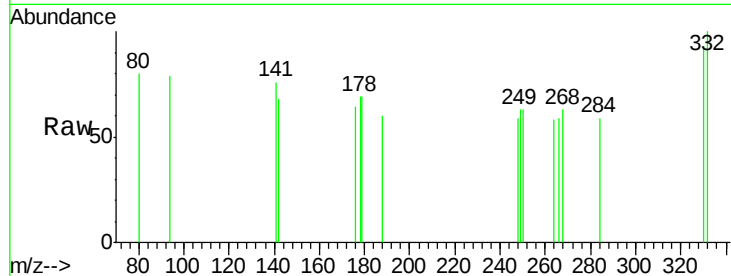
#14
 2,4,6-Tribromophenol
 Concen: 0.155 ng
 RT: 16.03 min Scan# 1206
 Delta R.T. 0.03 min
 Lab File: BE093622.D
 Acq: 2 Aug 2017 11:49

Instrument :
 BNA_E
 ClientSampled :
 0548DL

Tgt Ion	Ratio	Lower	Upper
330	100		
332	107.8	77.7	116.5
141	0.0	56.2	84.4

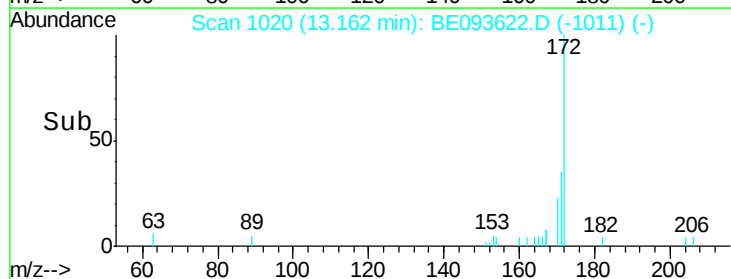
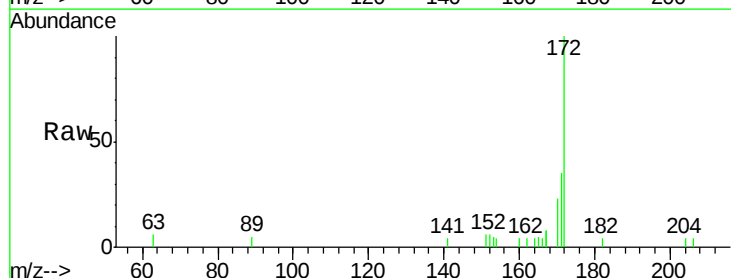
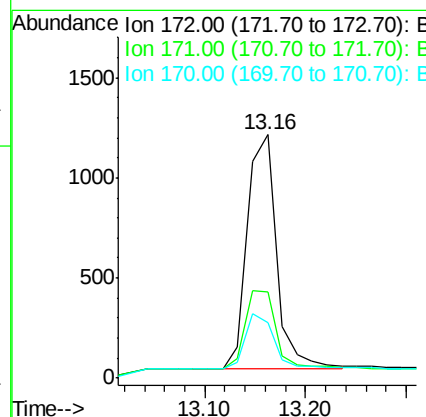
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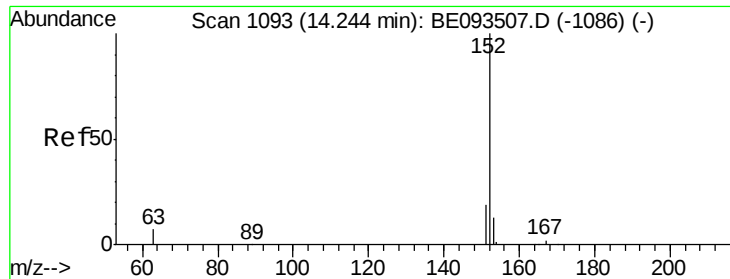
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#15
 2-Fluorobiphenyl
 Concen: 0.081 ng
 RT: 13.16 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: BE093622.D
 Acq: 2 Aug 2017 11:49

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.8	44.6
170	22.9	20.7	31.1





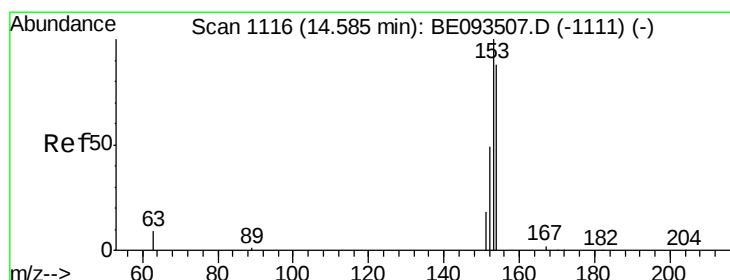
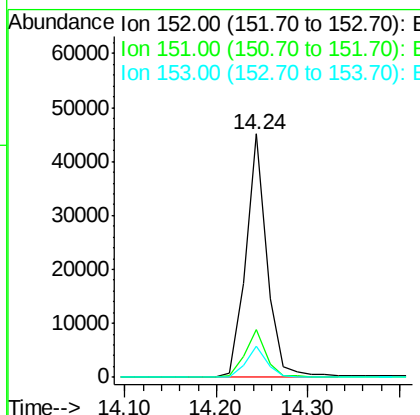
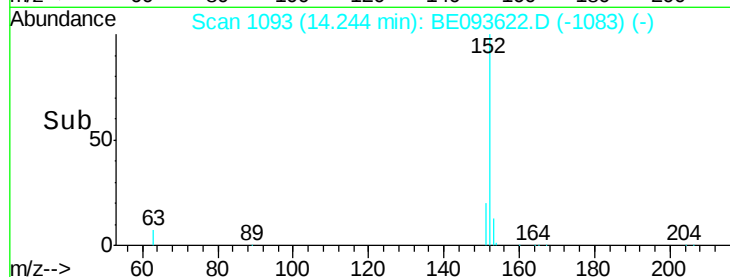
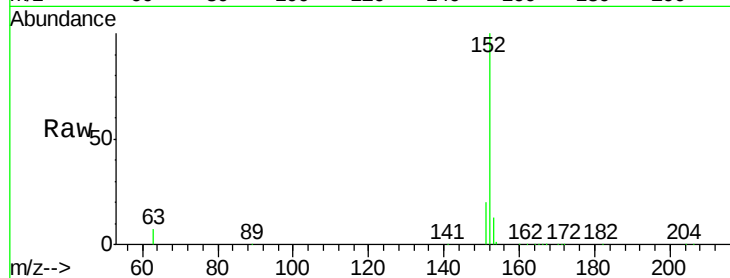
#16
Acenaphthylene
Concen: 2.082 ng
RT: 14.24 min Scan# 1093
Delta R.T. -0.00 min
Lab File: BE093622.D
Acq: 2 Aug 2017 11:49

Instrument :
BNA_E
ClientSampleId :
0548DL

Tgt Ion:152 Resp: 72765
Ion Ratio Lower Upper
152 100
151 19.8 4.0 6.0#
153 13.0 10.3 15.5

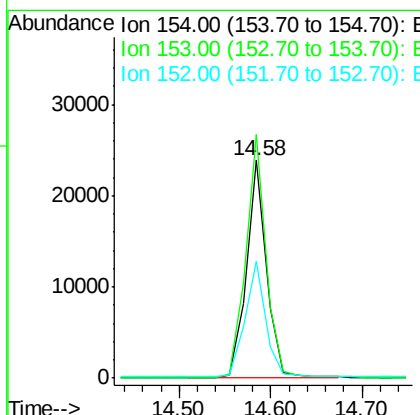
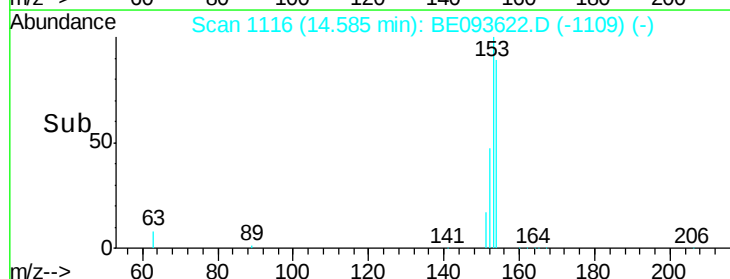
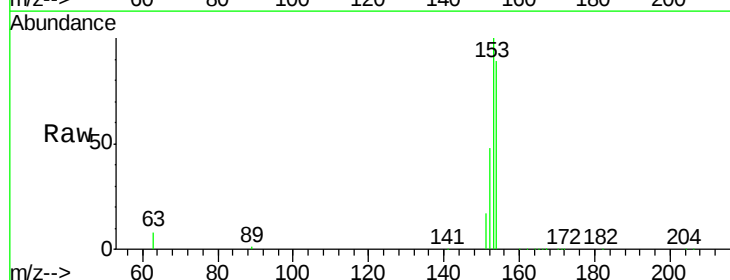
Manual Integrations
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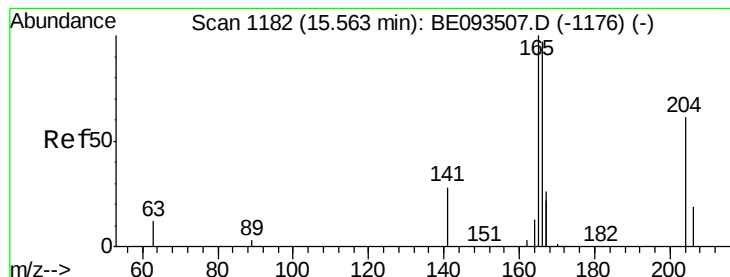
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#17
Acenaphthene
Concen: 1.475 ng
RT: 14.58 min Scan# 1116
Delta R.T. -0.00 min
Lab File: BE093622.D
Acq: 2 Aug 2017 11:49

Tgt Ion:154 Resp: 36381
Ion Ratio Lower Upper
154 100
153 113.2 91.2 136.8
152 54.1 44.8 67.2





#18

Fluorene

Concen: 1.144 ng

RT: 15.56 min Scan# 1182

Delta R.T. -0.00 min

Lab File: BE093622.D

Acq: 2 Aug 2017 11:49

Instrument :

BNA_E

ClientSampled :

0548DL

Tgt Ion:166 Resp: 37718

Ion Ratio Lower Upper

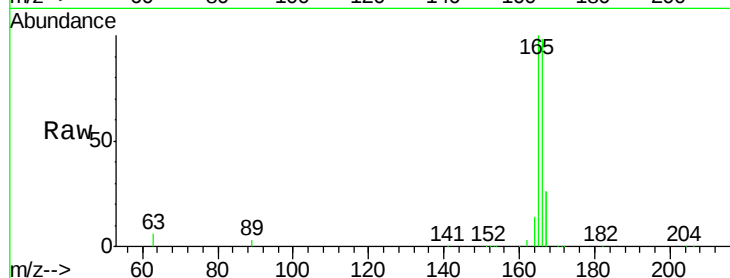
166 100

165 98.3 78.6 117.8

167 54.0 11.1 16.7#

Manual Integrations
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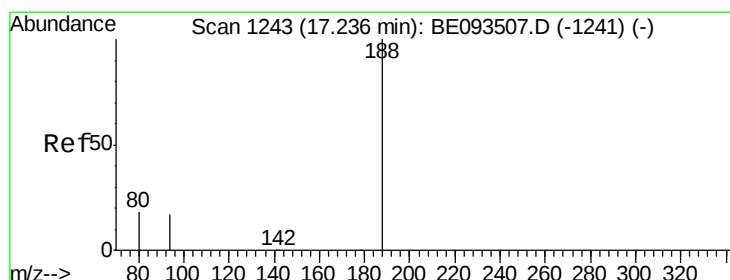
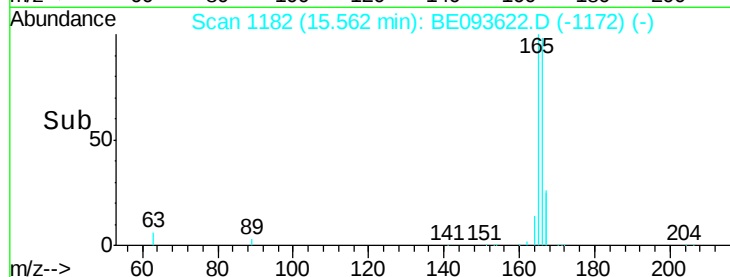
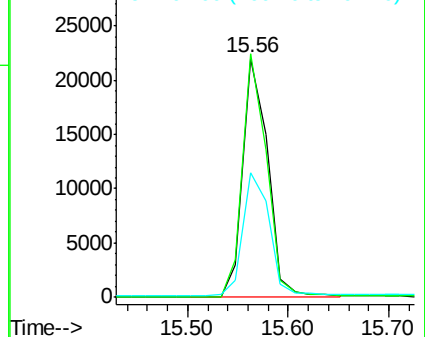
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Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.24 min Scan# 1243

Delta R.T. -0.00 min

Lab File: BE093622.D

Acq: 2 Aug 2017 11:49

Tgt Ion:188 Resp: 17708

Ion Ratio Lower Upper

188 100

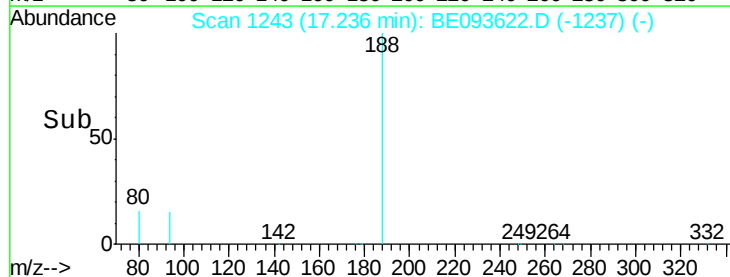
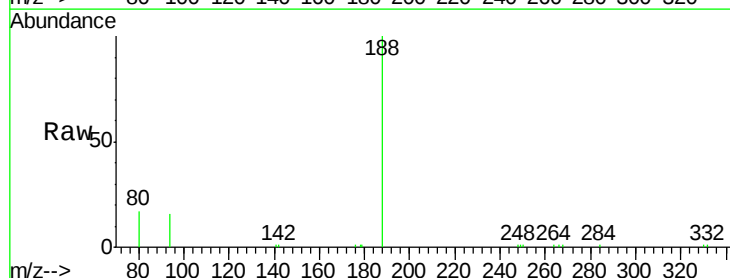
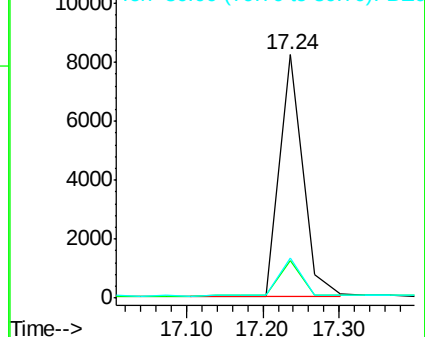
94 15.6 11.3 16.9

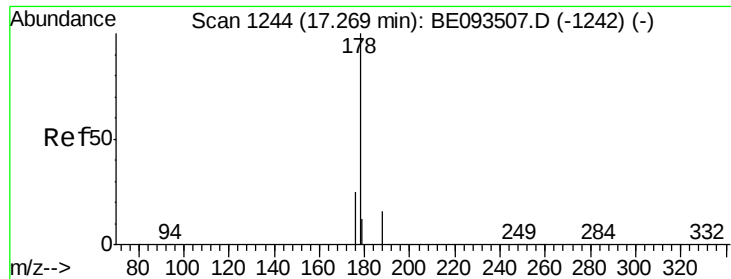
80 16.6 11.7 17.5

Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0





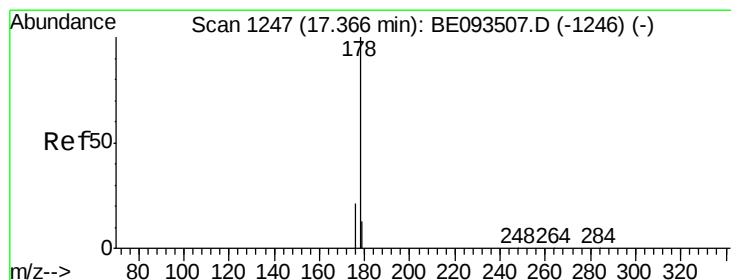
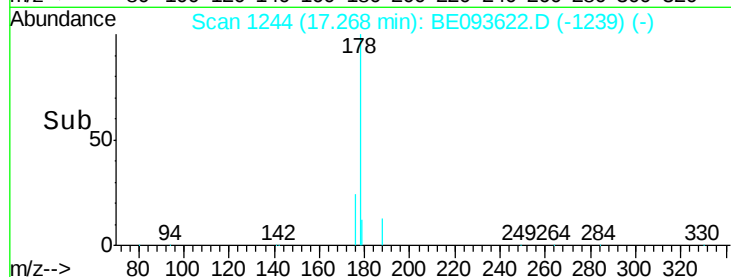
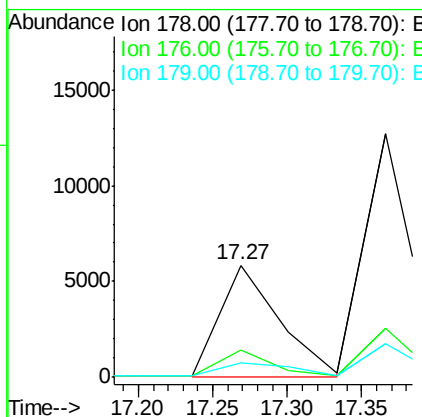
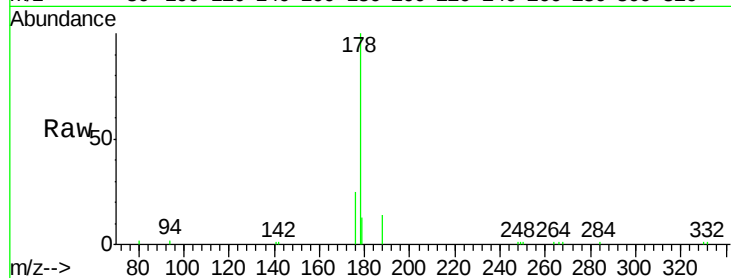
#23
Phenanthrene
Concen: 0.422 ng m
RT: 17.27 min Scan# 1244
Delta R.T. -0.00 min
Lab File: BE093622.D
Acq: 2 Aug 2017 11:49

Instrument :
BNA_E
ClientSampled :
0548DL

Tgt Ion	Ratio	Lower	Upper
178	100		
176	0.0	15.0	22.4#
179	0.0	12.7	19.1#

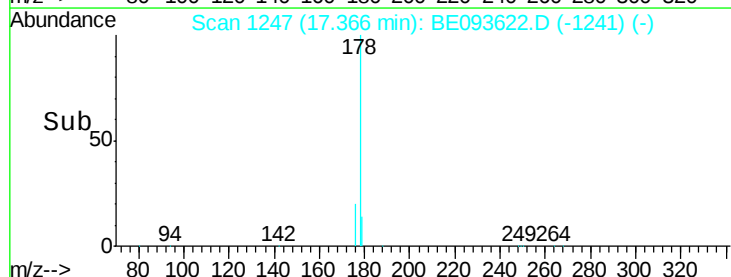
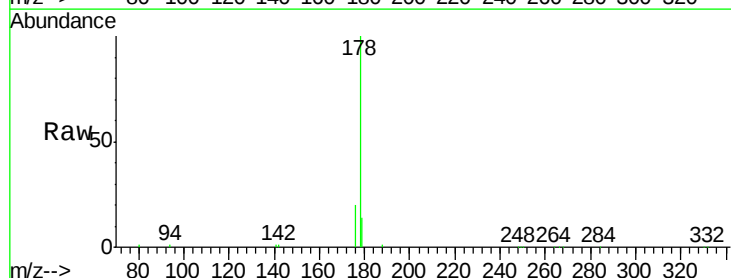
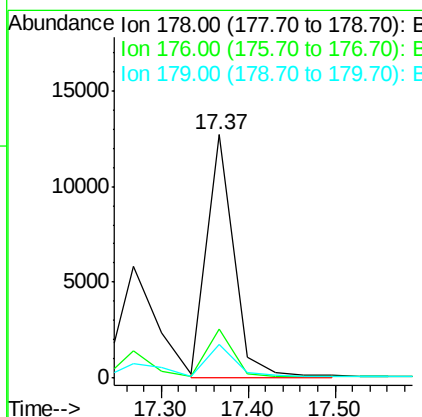
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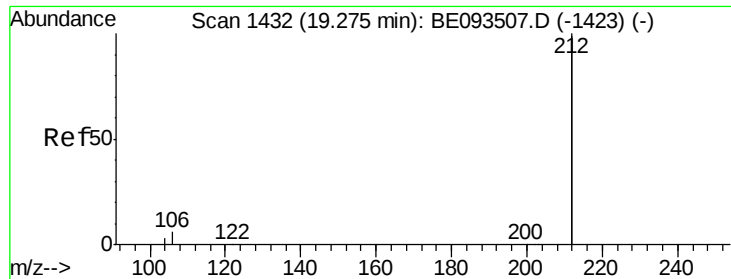
Sohil
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#24
Anthracene
Concen: 0.529 ng m
RT: 17.37 min Scan# 1247
Delta R.T. -0.00 min
Lab File: BE093622.D
Acq: 2 Aug 2017 11:49

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.1	14.6	22.0
179	21.6	12.0	18.0#





#25

Fluoranthene-d10

Concen: 0.082 ng

RT: 19.27 min Scan# 1432

Delta R.T. -0.00 min

Lab File: BE093622.D

Acq: 2 Aug 2017 11:49

Instrument :

BNA_E

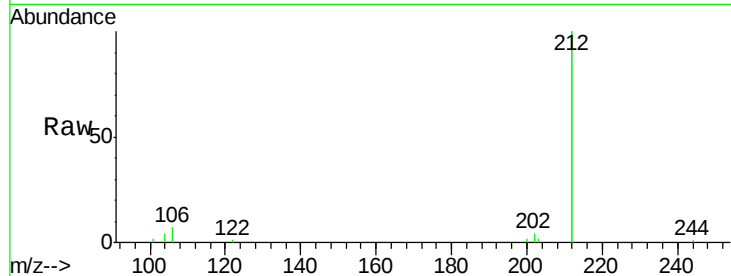
ClientSampleId :

0548DL

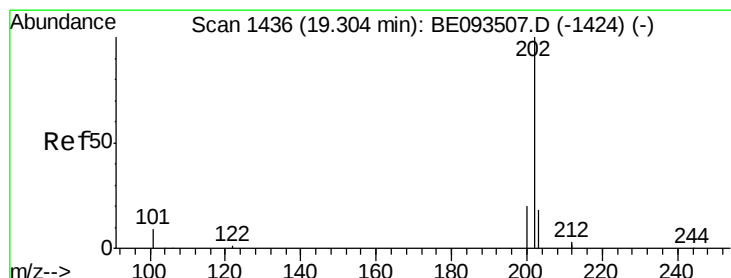
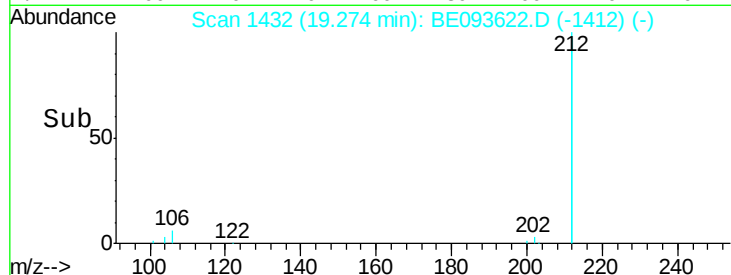
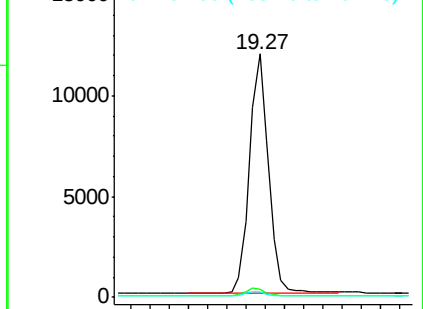
Tgt Ion:	212	Resp:	16472
Ion Ratio	Lower	Upper	
212	100		
106	3.6	2.4	3.6
104	2.0	1.6	2.4

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Abundance Ion 212.00 (211.70 to 212.70): E
Ion 106.00 (105.70 to 106.70): E
Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.529 ng

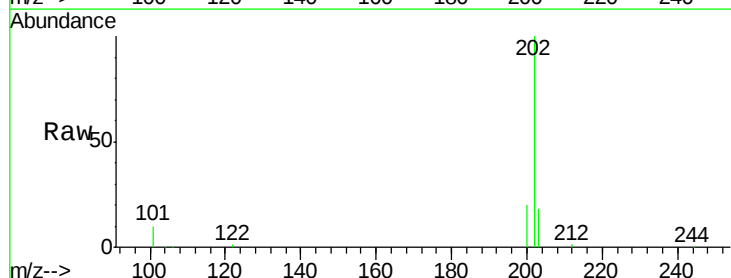
RT: 19.30 min Scan# 1436

Delta R.T. -0.00 min

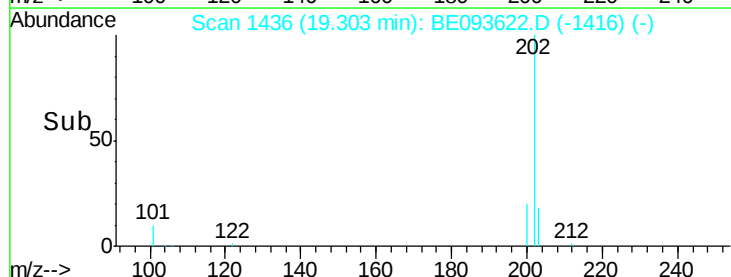
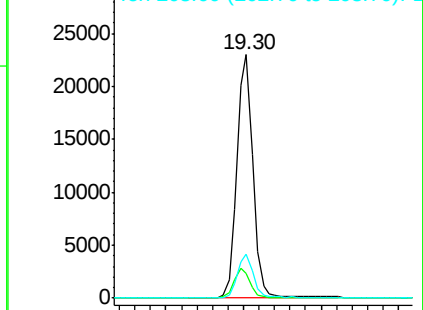
Lab File: BE093622.D

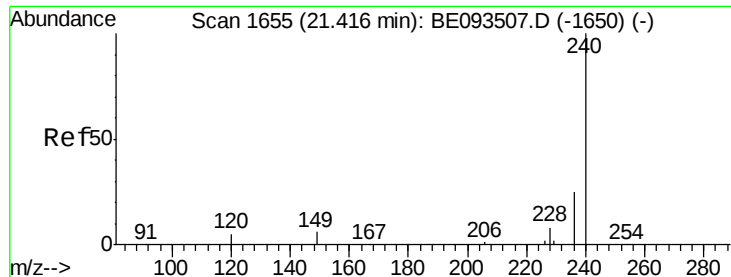
Acq: 2 Aug 2017 11:49

Tgt Ion:	202	Resp:	32776
Ion Ratio	Lower	Upper	
202	100		
101	11.7	9.6	14.4
203	17.3	14.4	21.6



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





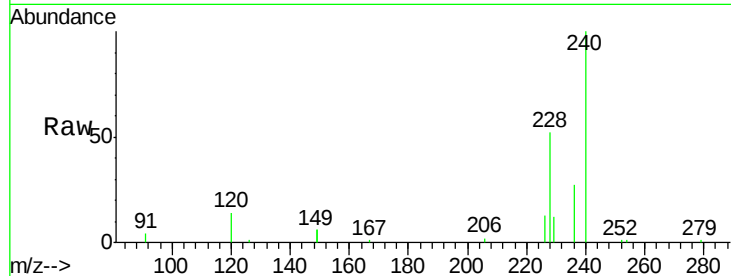
#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.40 min Scan# 1654
 Delta R.T. -0.01 min
 Lab File: BE093622.D
 Acq: 2 Aug 2017 11:49

Instrument :
 BNA_E
 ClientSampleID :
 0548DL

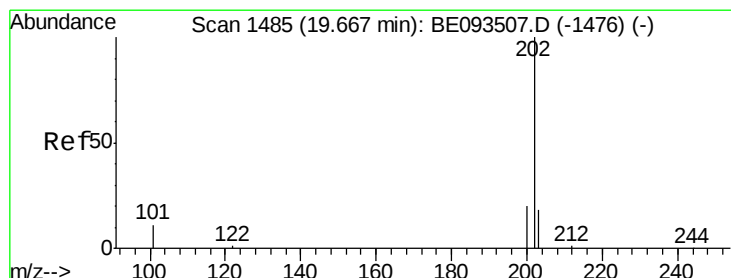
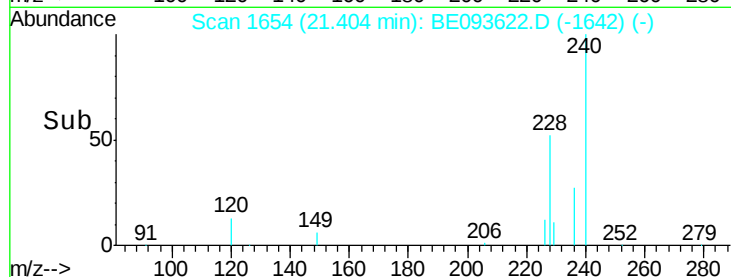
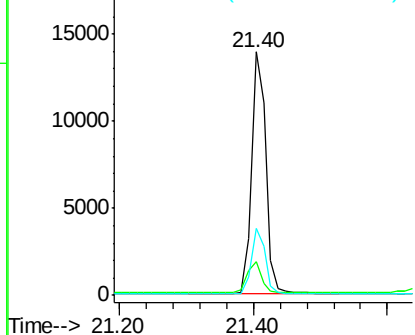
Tgt Ion:240 Resp: 20775
 Ion Ratio Lower Upper
 240 100
 120 13.7 4.6 7.0#
 236 27.3 20.8 31.2

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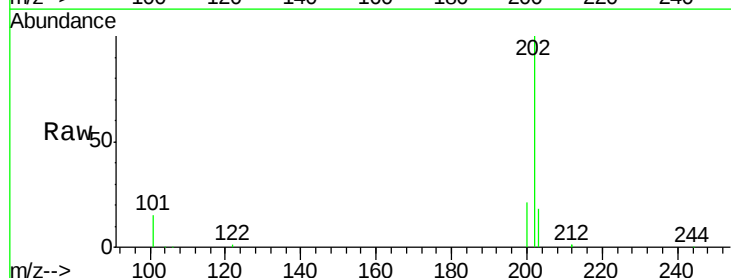


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

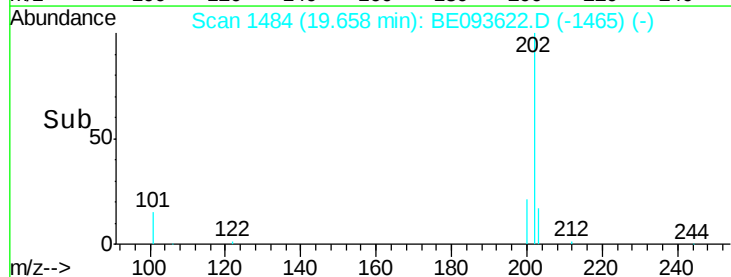
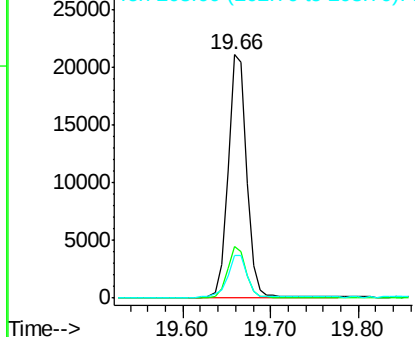


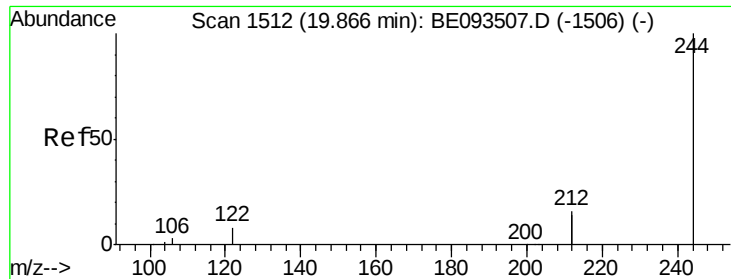
#28
 Pyrene
 Concen: 0.462 ng
 RT: 19.66 min Scan# 1484
 Delta R.T. -0.01 min
 Lab File: BE093622.D
 Acq: 2 Aug 2017 11:49

Tgt Ion:202 Resp: 31002
 Ion Ratio Lower Upper
 202 100
 200 20.8 0.0 0.0#
 203 18.3 13.7 20.5



Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.084 ng

RT: 19.86 min Scan# 1511

Delta R.T. -0.01 min

Lab File: BE093622.D

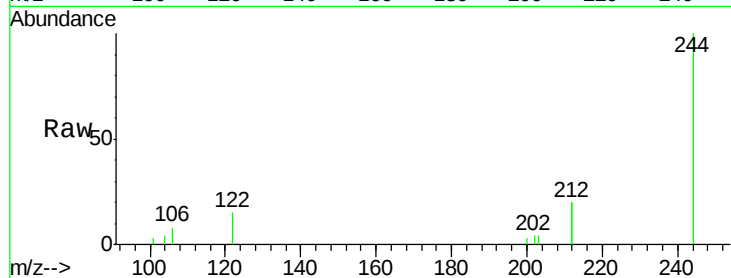
Acq: 2 Aug 2017 11:49

Instrument :

BNA_E

ClientSampleId :

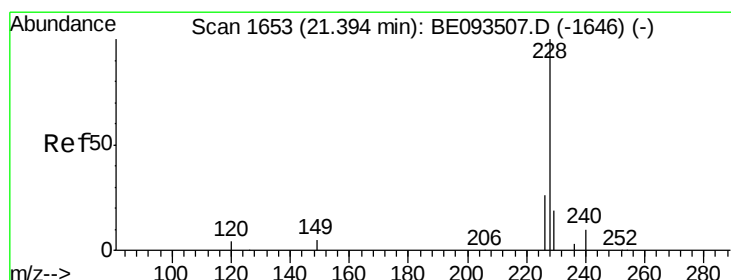
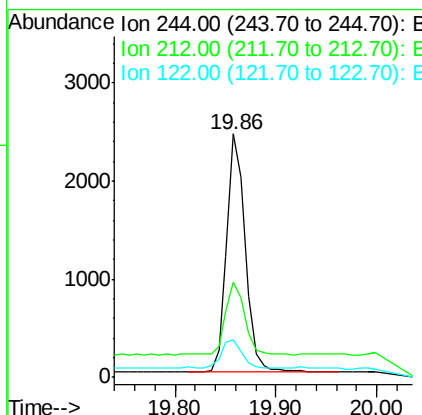
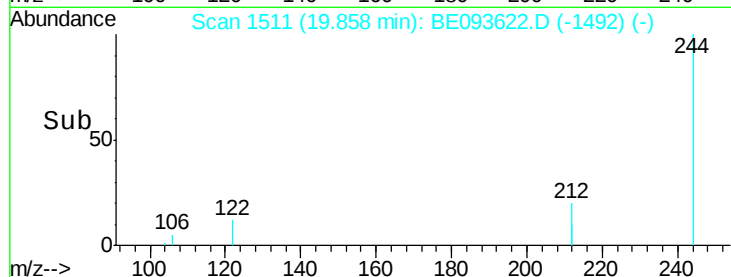
0548DL



Tgt Ion:	244	Resp:	3124
Ion Ratio	Lower	Upper	
244	100		
212	39.2	10.6	16.0#
122	15.2	15.4	23.0#

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#30

Benzo(a)anthracene

Concen: 0.529 ng

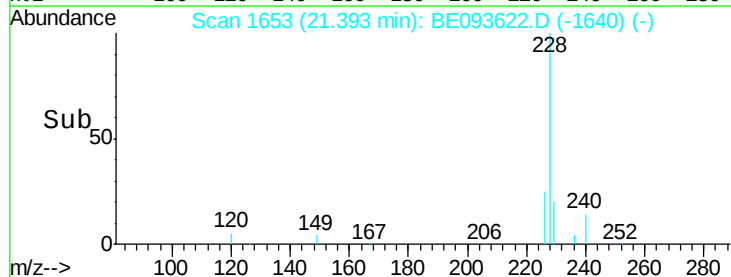
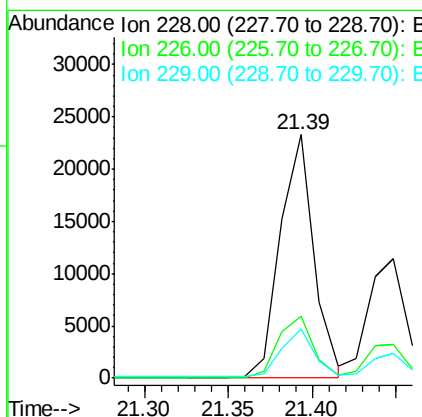
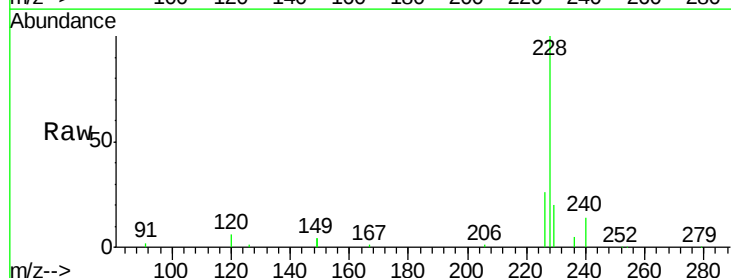
RT: 21.39 min Scan# 1653

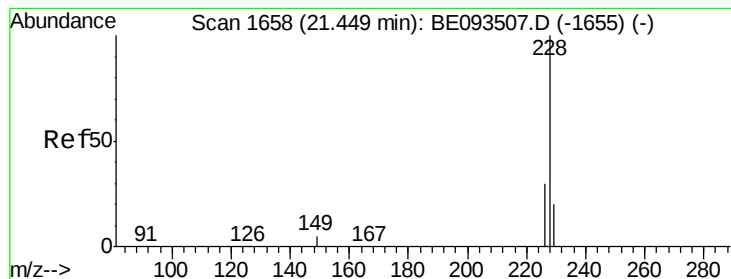
Delta R.T. -0.00 min

Lab File: BE093622.D

Acq: 2 Aug 2017 11:49

Tgt Ion:	228	Resp:	32305
Ion Ratio	Lower	Upper	
228	100		
226	25.7	19.7	29.5
229	20.3	19.2	28.8





#31

Chrysene

Concen: 0.264 ng

RT: 21.45 min Scan# 1658

Delta R.T. -0.00 min

Lab File: BE093622.D

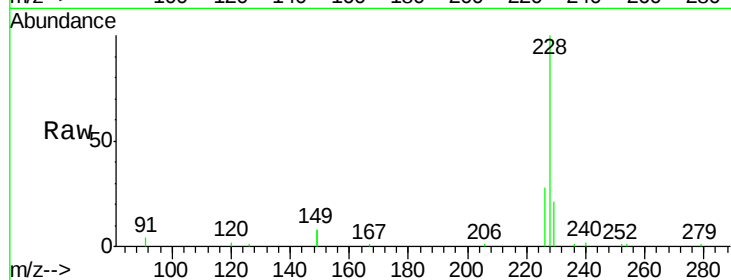
Acq: 2 Aug 2017 11:49

Instrument :

BNA_E

ClientSampleID :

0548DL



Tgt Ion:228 Resp: 17949

Ion Ratio Lower Upper

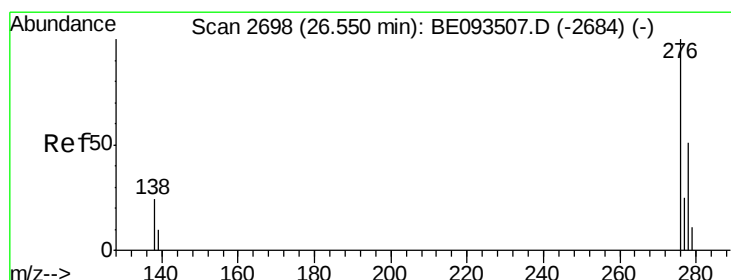
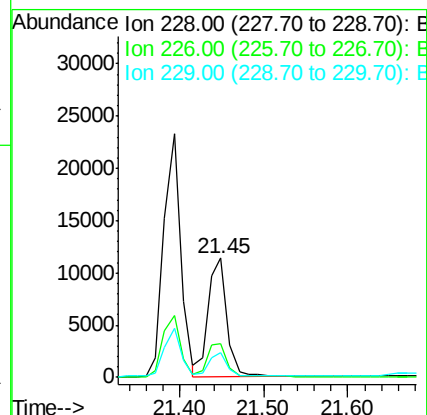
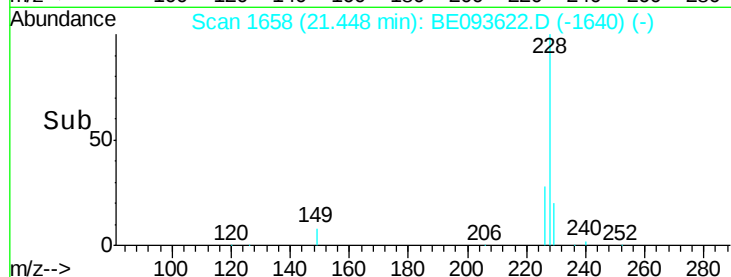
228 100

226 28.5 21.5 32.3

229 20.5 18.6 28.0

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#33

Indeno(1,2,3-cd)pyrene

Concen: 0.242 ng

RT: 26.55 min Scan# 2698

Delta R.T. 0.00 min

Lab File: BE093622.D

Acq: 2 Aug 2017 11:49

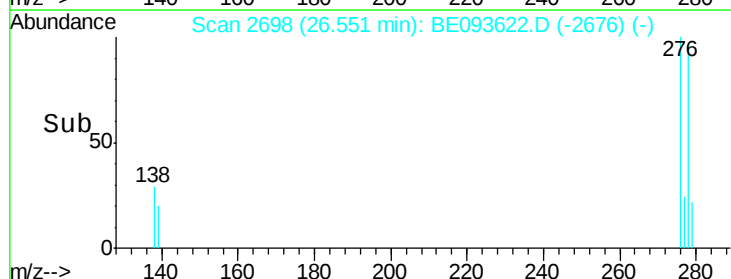
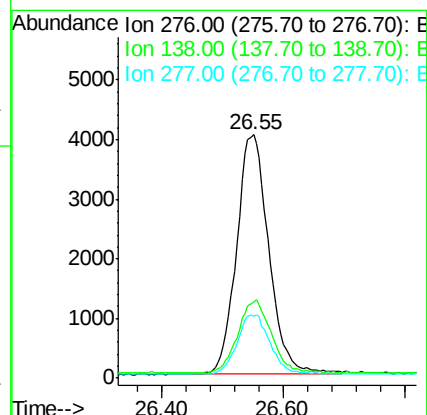
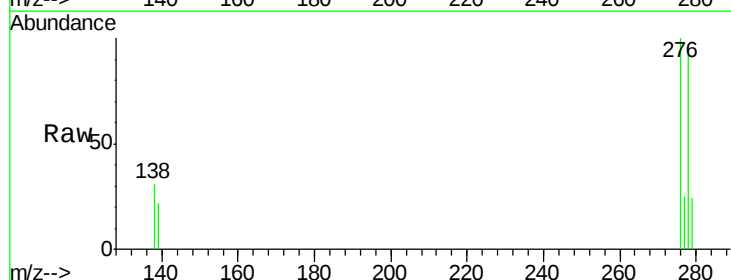
Tgt Ion:276 Resp: 14897

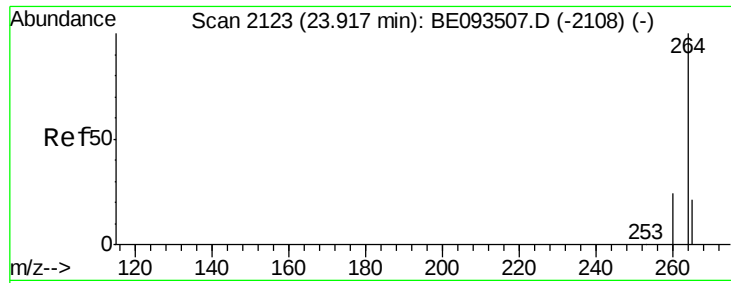
Ion Ratio Lower Upper

276 100

138 30.9 27.4 41.2

277 25.2 20.1 30.1





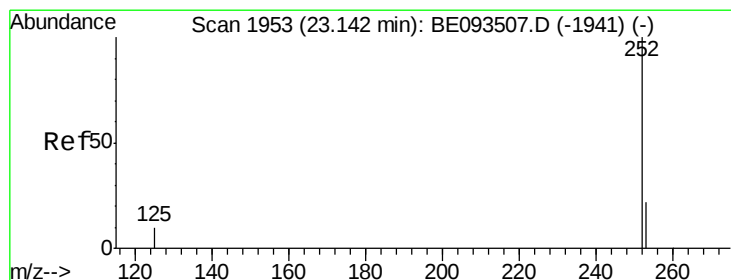
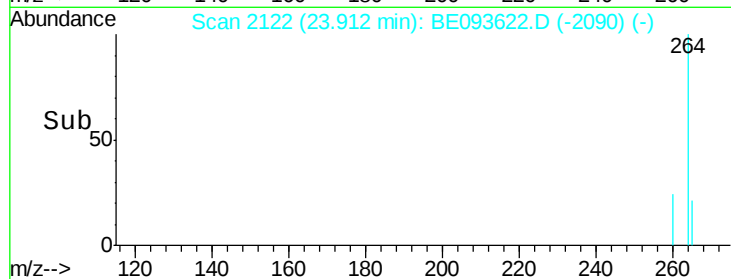
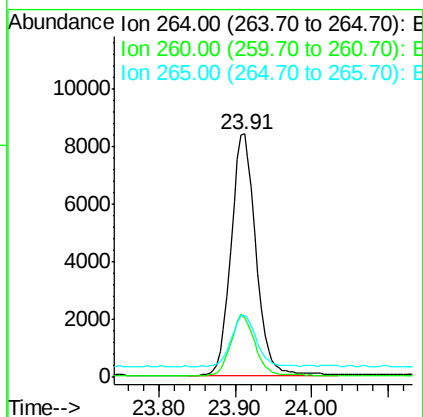
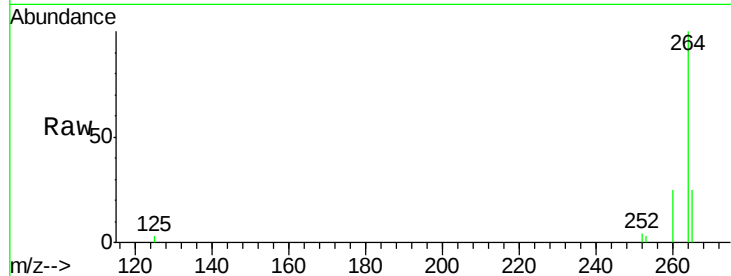
#34
Perylene-d12
 Concen: 0.400 ng
 RT: 23.91 min Scan# 2122
 Delta R.T. -0.01 min
 Lab File: BE093622.D
 Acq: 2 Aug 2017 11:49

Instrument :
 BNA_E
 ClientSampled :
 0548DL

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	19150		
260	24.6	21.0	31.4	
265	25.2	24.6	36.8	

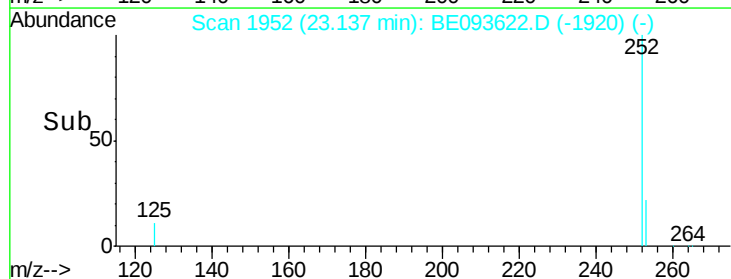
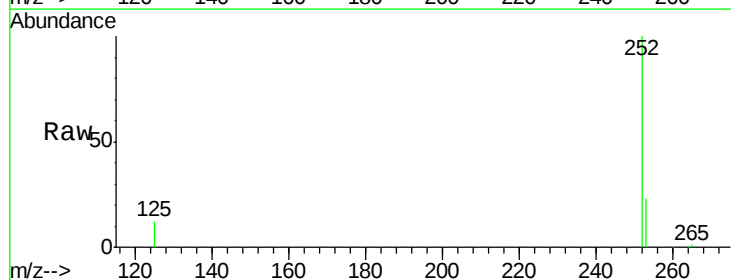
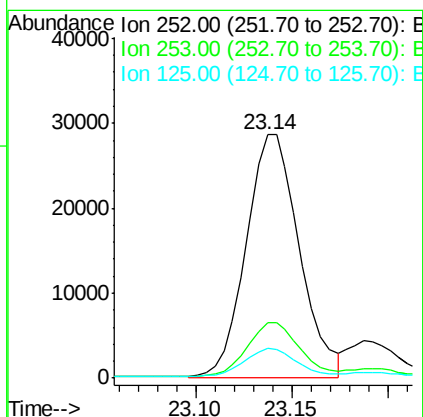
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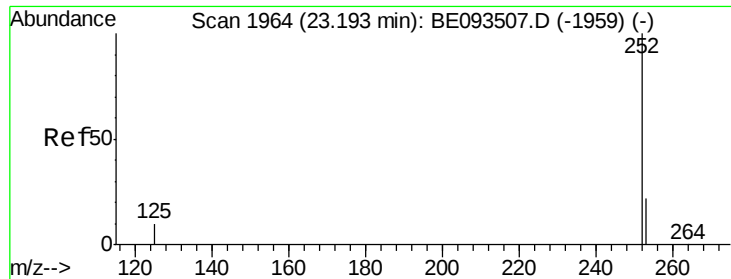
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#35
Benzo(b)fluoranthene
 Concen: 0.808 ng m
 RT: 23.14 min Scan# 1952
 Delta R.T. -0.01 min
 Lab File: BE093622.D
 Acq: 2 Aug 2017 11:49

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	55238		
253	22.7	18.5	27.7	
125	12.1	13.4	20.0	





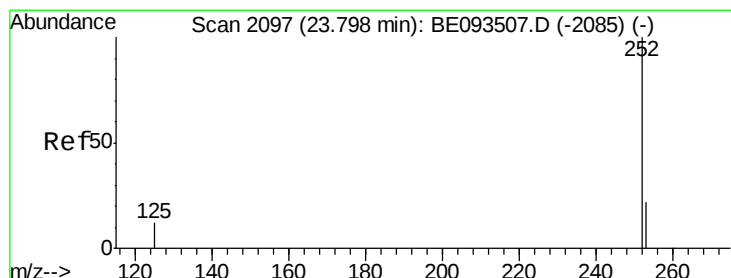
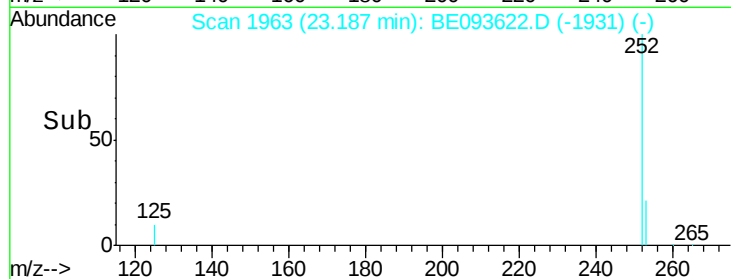
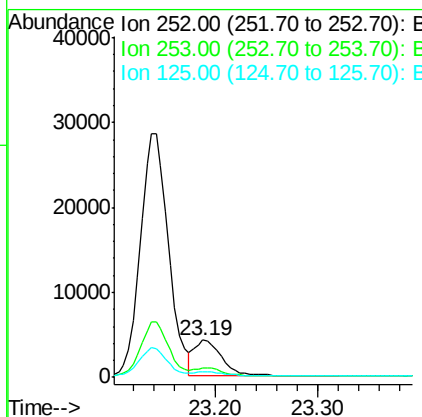
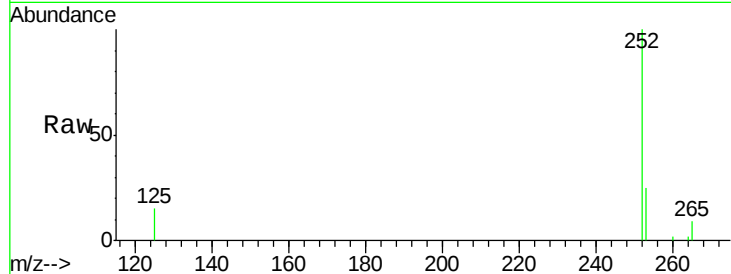
#36
Benzo(k)fluoranthene
Concen: 0.114 ng
RT: 23.19 min Scan# 1963
Delta R.T. -0.01 min
Lab File: BE093622.D
Acq: 2 Aug 2017 11:49

Instrument :
BNA_E
ClientSampleId :
0548DL

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.9	20.3	30.5
125	14.9	12.2	18.4

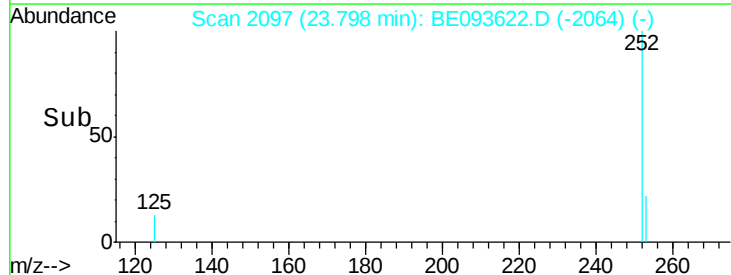
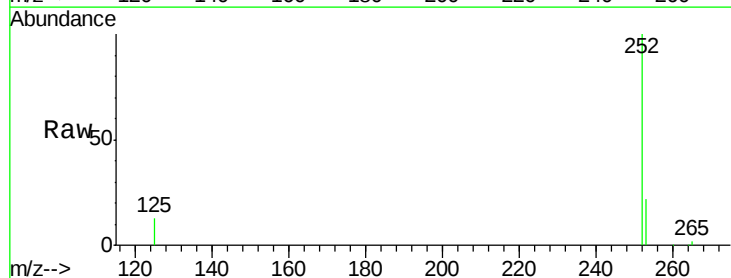
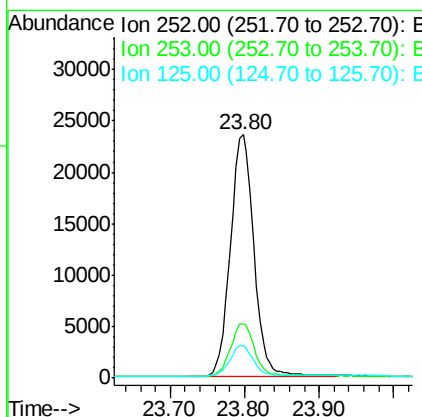
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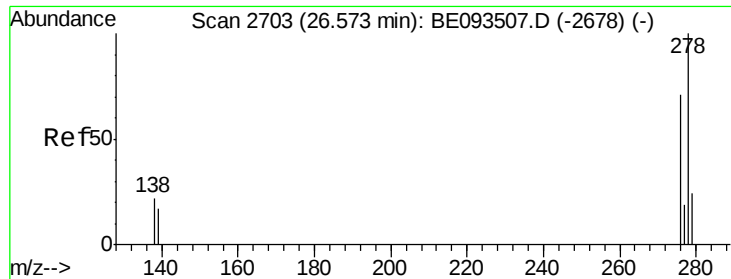
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#37
Benzo(a)pyrene
Concen: 0.834 ng
RT: 23.80 min Scan# 2097
Delta R.T. -0.00 min
Lab File: BE093622.D
Acq: 2 Aug 2017 11:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	19.9	29.9
125	13.3	14.6	21.8#





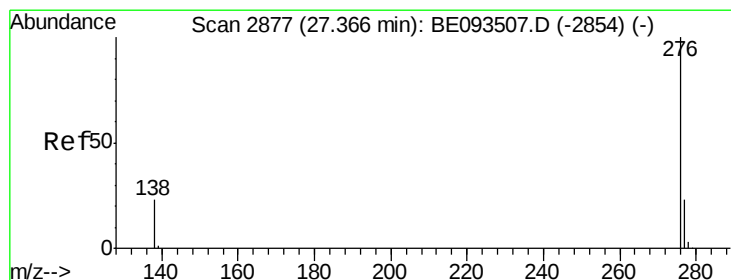
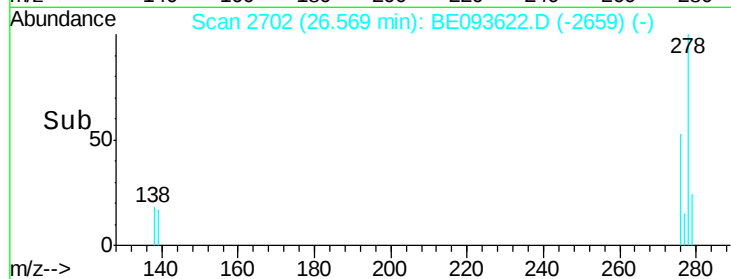
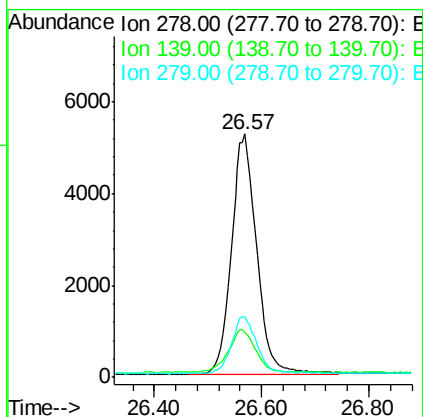
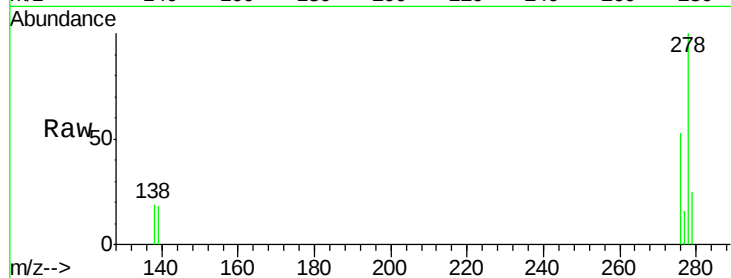
#38
Dibenzo(a,h)anthracene
Concen: 0.286 ng
RT: 26.57 min Scan# 2702
Delta R.T. -0.00 min
Lab File: BE093622.D
Acq: 2 Aug 2017 11:49

Instrument :
BNA_E
ClientSampleId :
0548DL

Tgt Ion	Ratio	Lower	Upper
278	100		
139	18.4	21.4	32.0#
279	25.0	22.2	33.2

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#39
Benzo(g,h,i)perylene
Concen: 0.440 ng
RT: 27.36 min Scan# 2875
Delta R.T. -0.01 min
Lab File: BE093622.D
Acq: 2 Aug 2017 11:49

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.9	21.2	31.8
138	24.2	24.5	36.7#

